## **CLEAN VERSION OF AMENDED CLAIMS**

Nanosized Group VI transition metal catalysts for use in producing mixed

alcohols from gases including carbon monoxide and hydrogen, wherein said nanosized Group VI transition metal catalysts are produced by selecting Group VI metals, and mixtures thereof, and then nanosizing said Group VI metals, and mixtures thereof to a mean particle diameter in the range of about 1 nm to about 100 nm.
8. (New) Nanosized Group VI transition metal catalysts of claim 7 wherein said Group VI metals, and mixtures thereof are selected from Cr, MO and W, and mixtures thereof.
9. (New) The nanosized Group VI transition metal catalysts, and mixtures thereof of

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catalysts.

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**入(New)** 

10. (New) Nanosized Group VI transition metal catalysts of claim 9 wherein said

claim 7 wherein the method of producing said Group VI metals and mixtures thereof catalysts

includes the step of sulfiding said nanosized Group W metal and Group VI metal mixture

2 Group VI metals, and mixtures thereof are selected from Cr, MO and W, and mixtures thereof.